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NUNAVUT WATER BOARD
NUNAVUT IMALIRIYIN KATIMAYINGI
OFFICE DES EAUX DU NUNAVUT

File: 2AM-MEL1631/TR/F9

May 11, 2018

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Subject: Operation & Maintenance Manual – CP-5 Containment Pond Water Treatment Plant; Type “A” Water Licence 2AM-MEL1631, Meliadine Gold Project, Agnico Eagle Mines Limited

Dear Mr. Chernoloz and Mr. Quesnel:

On April 11, 2018, the Nunavut Water Board (“NWB”) acknowledged receipt of document entitled: “PALL Agnico Two 450 GPM Reflex CCRO units Operation and Maintenance Manual” dated April 10, 2018 (O&M Manual or Manual) from Agnico Eagle Mines Limited (AEM or Licensee) as a requirement of Part F Item 9 of Water Licence 2AM-MEL1631 (Licence).

As stated in the Manual the Reverse Osmosis (RO) system separates water from its dissolved salts via a semi-permeable barrier (membrane), under high pressure, producing a low salinity stream (permeate) and a high salinity stream (brine).

Closed Circuit Reverse Osmosis (CCRO) technology is a batch process by which each Reverse Osmosis (RO) unit alternates between cycles of closed circuit (CC) and plug flow (PF) operation. In CC operation brine is fully recirculated to the feed end of the pressure vessels by a circulation pump. In PF operation the brine valve opens, forcing concentrated brine to leave the system while introducing fresh feedwater into the system for the next operating cycle.

The NWB made the Manual for interested parties’ review and comments with a deadline for submissions set at April 26, 2018, extended to May 7, 2018 as per request from Indigenous and Northern Affairs Canada (INAC). On May 8, 2018, INAC advised the Board that it has no comments or concerns regarding the O&M Manual.

By copy of this letter the Board acknowledges that the Operation & Maintenance Manual – CP-5 Containment Pond Water Treatment Plant addresses the requirement of Part F Item 9 of Licence 2AM-MEL1631, and has approved the Manual through the Board Motion No. 2018-A1-002, dated May 11, 2018. The Licensee is advised that the Manual could be implemented upon Board approval.

Should you have any questions, please feel free to contact the undersigned at (867) 360-6338 ext. 35 or karen.kharatyan@nwb-oen.ca at your earliest convenience.

Regards,

Karén Kharatyan
Director Technical Services

cc: Distribution List - Meliadine